

FIG. 1

100

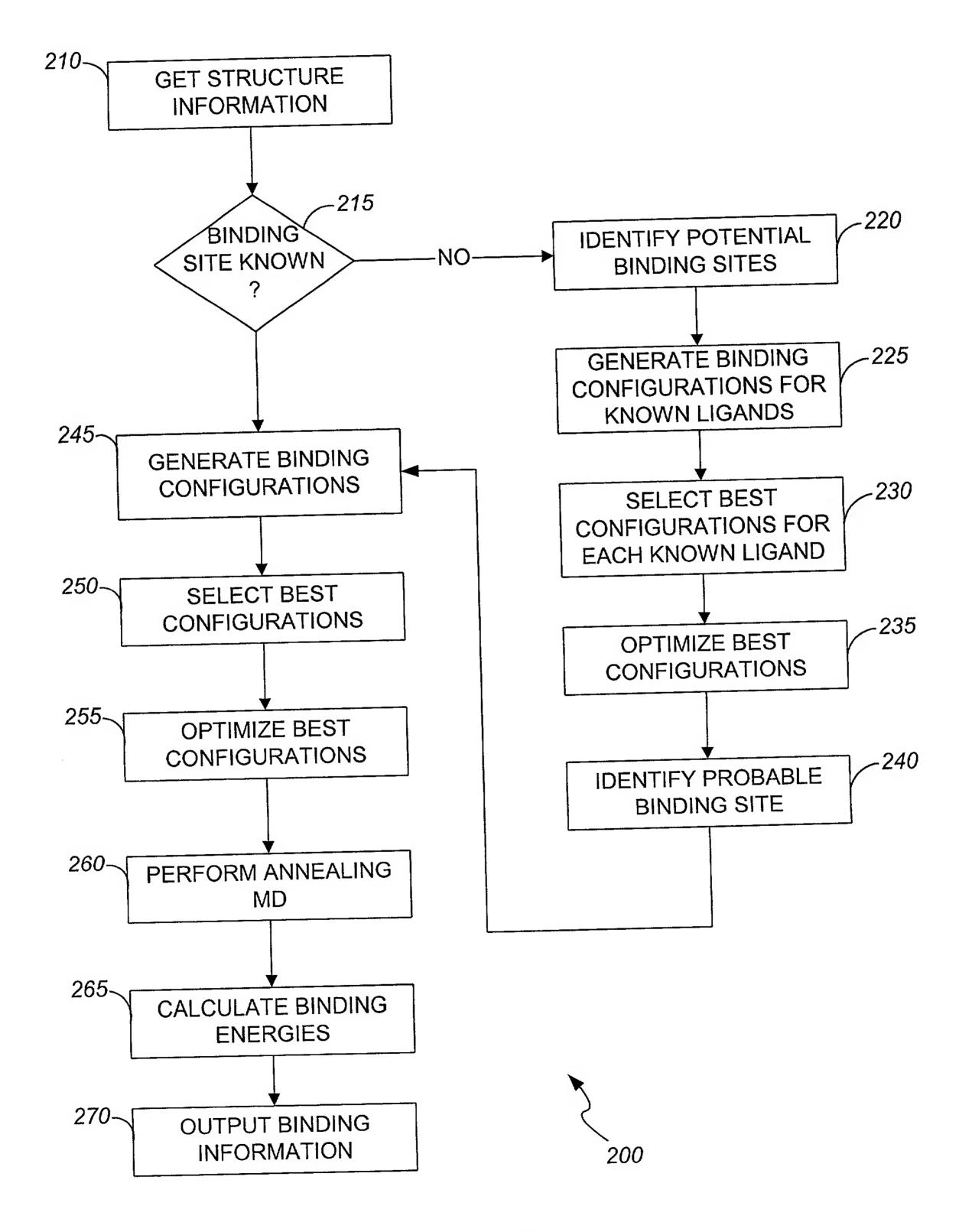


FIG. 2

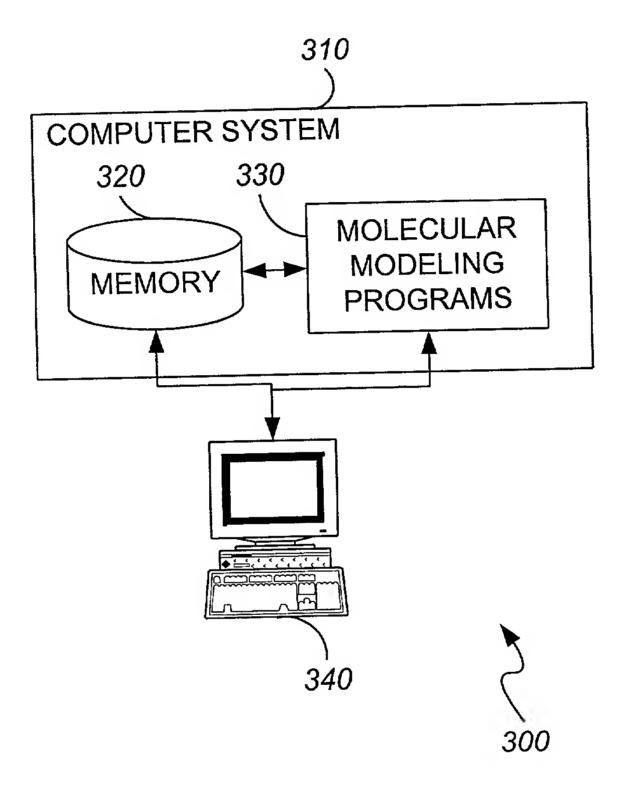


FIG. 3

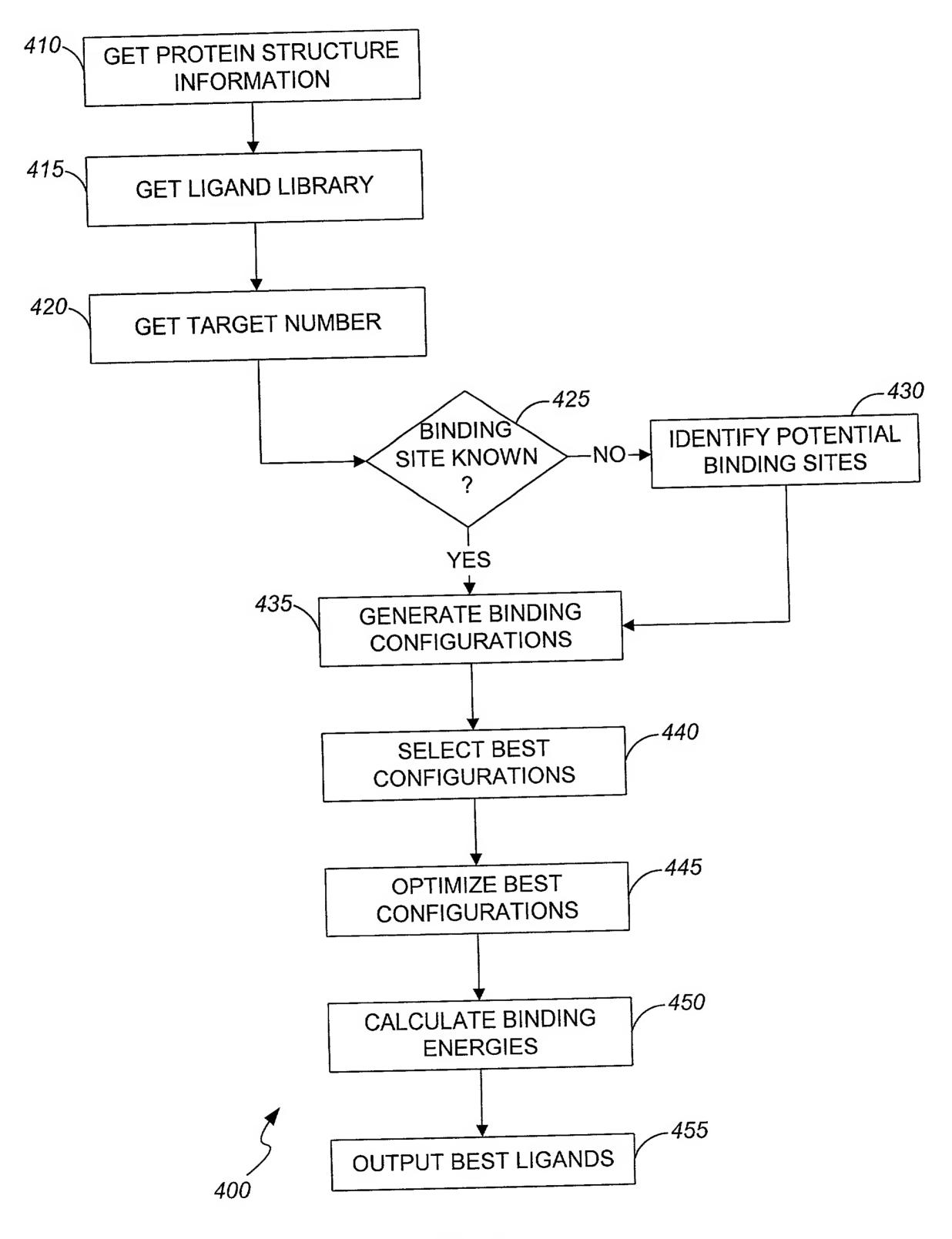


FIG. 4

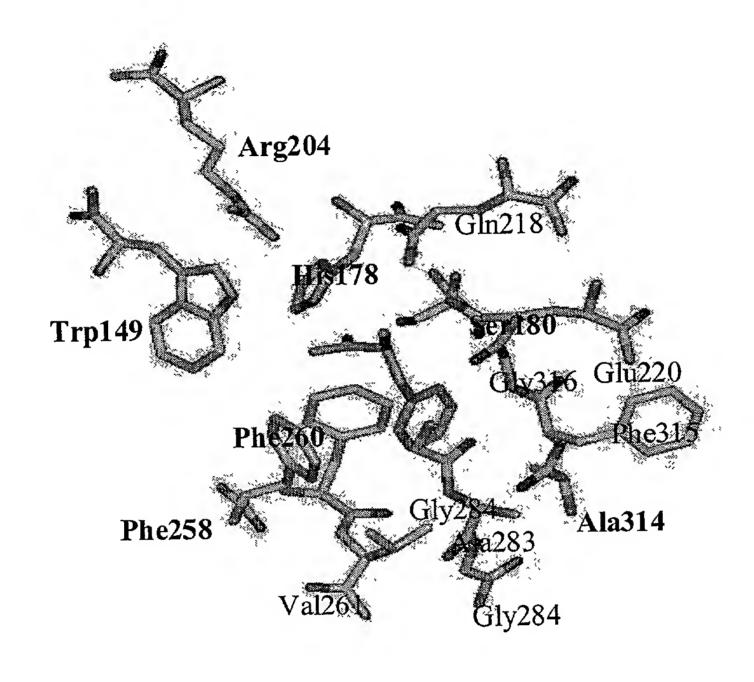
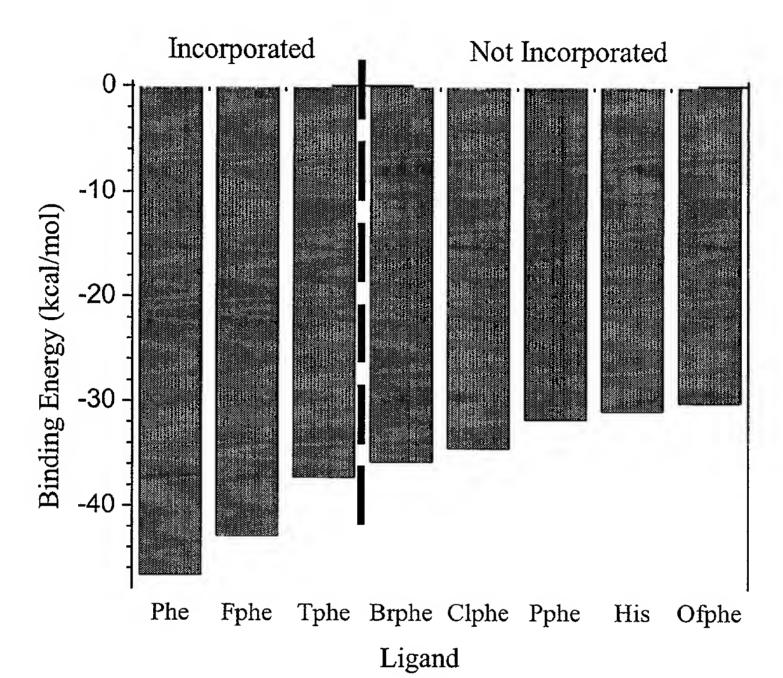


FIG. 5

FIG. 6



West Storm Strate West West Storm Free Storm He

FIG. 7

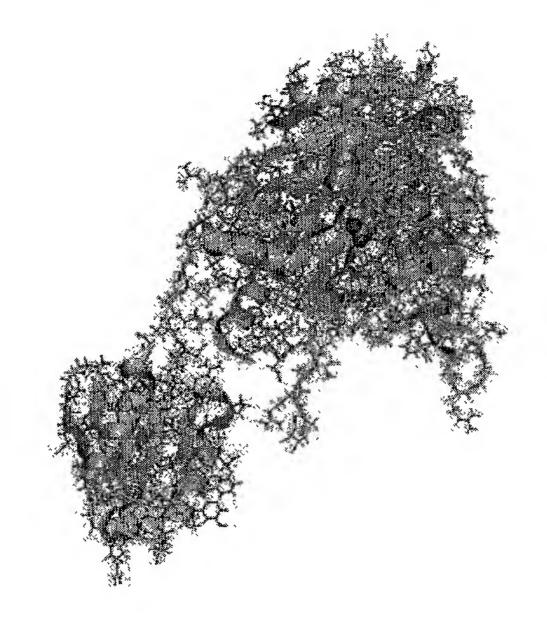
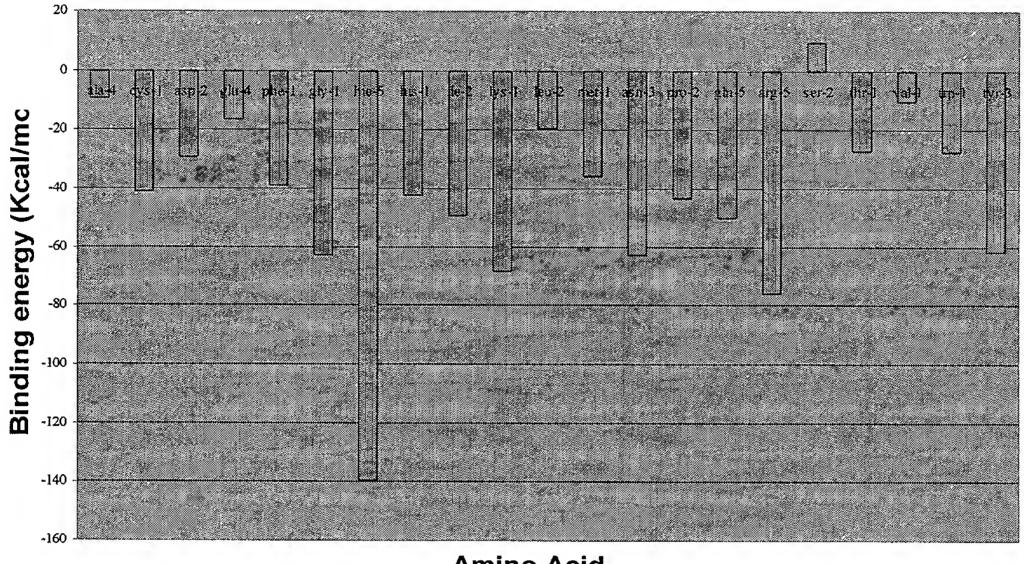


FIG. 8

Binding energies of all 20 aa to hisRS



Amino Acid

FIG. 9

FIG. 10

|: #\$

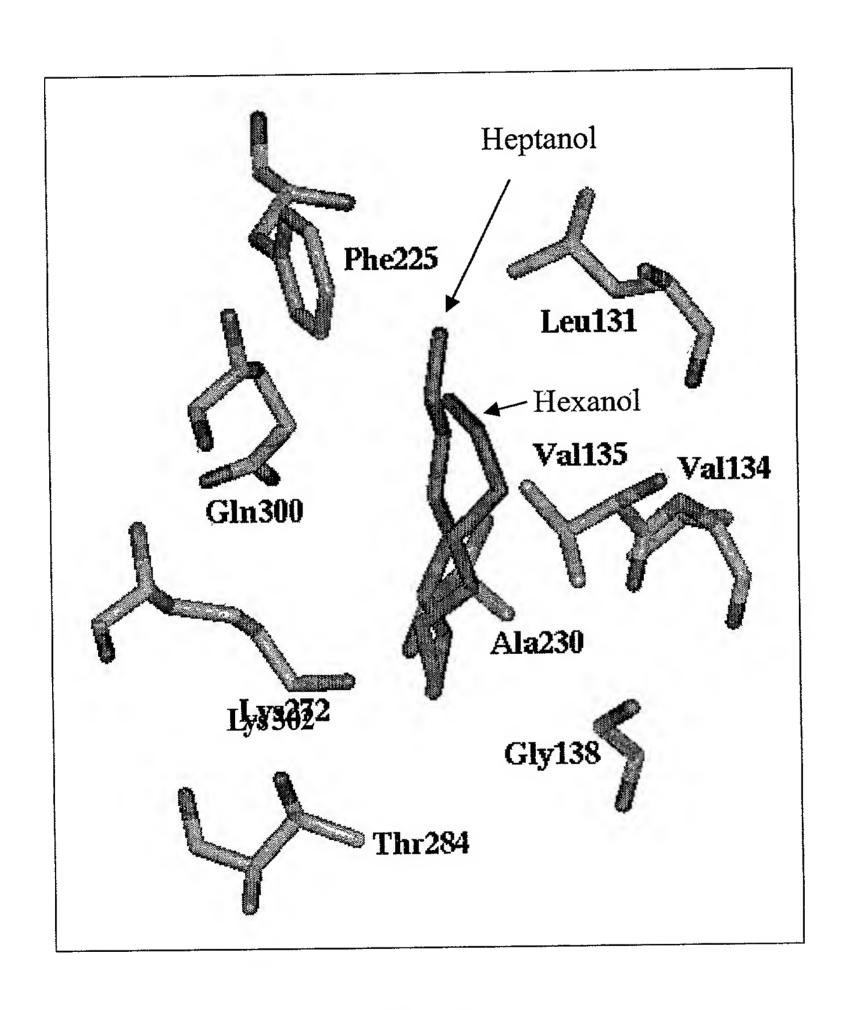


FIG. 11

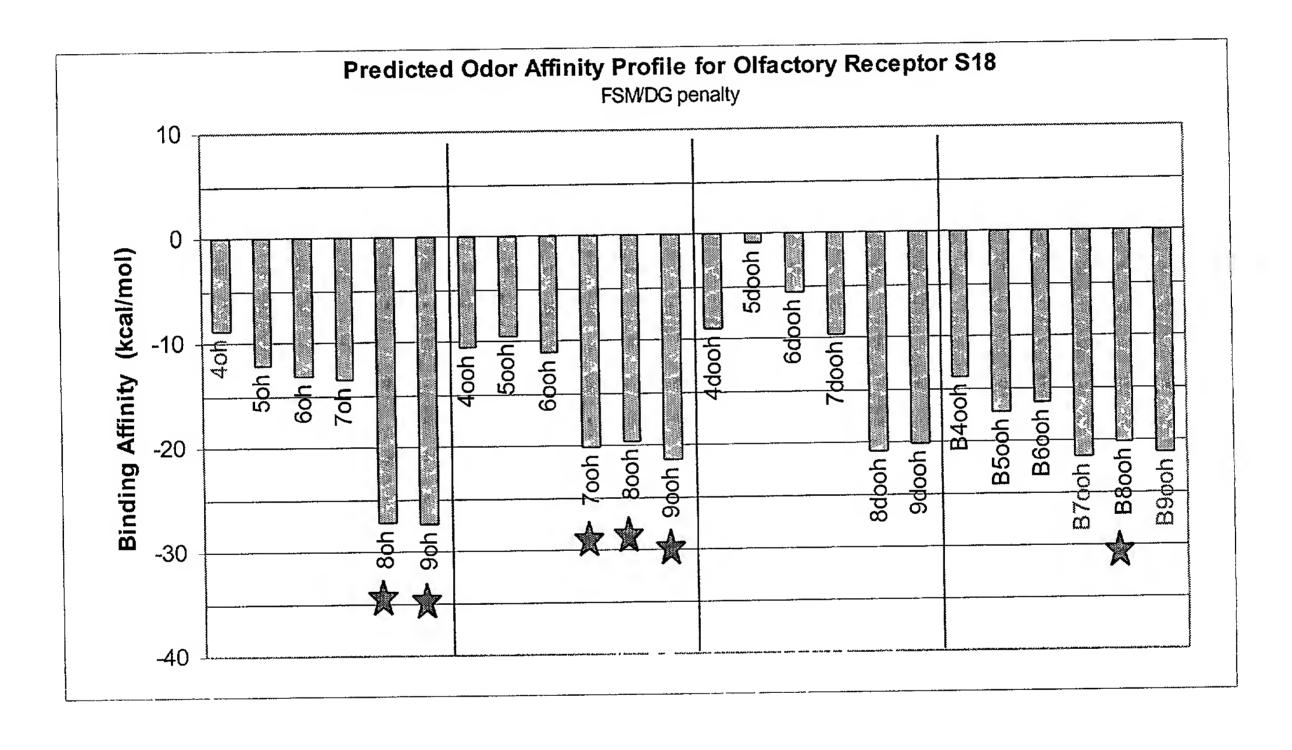


FIG. 12

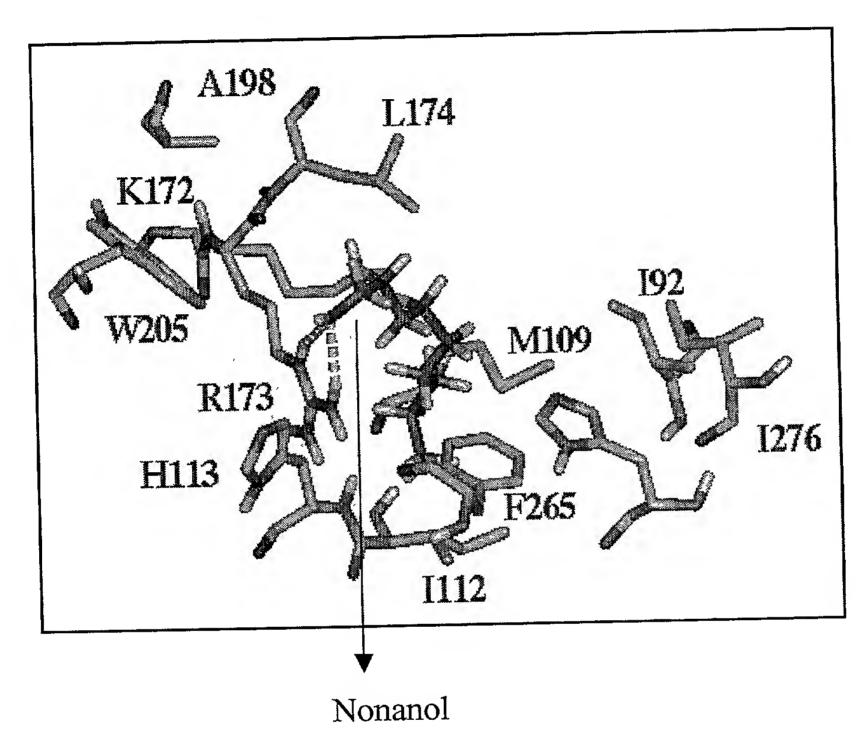


FIG. 13

Docked cis-retinal (orange) X exp. Retinal (green)

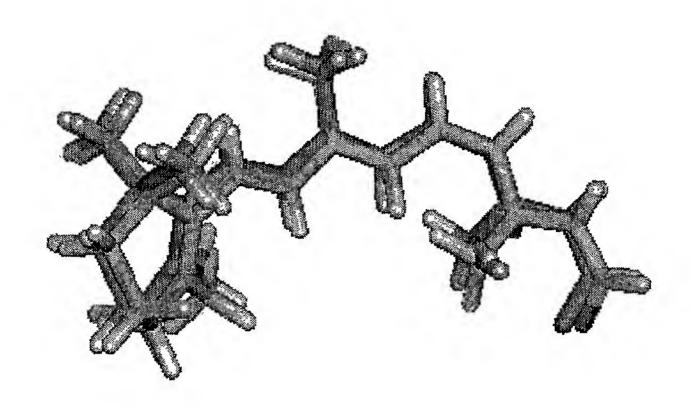


FIG. 14